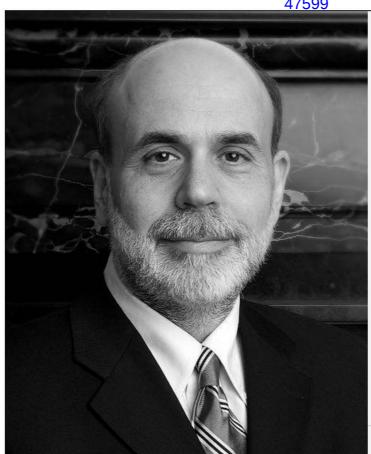
## EXHIBIT 48 REDACTED



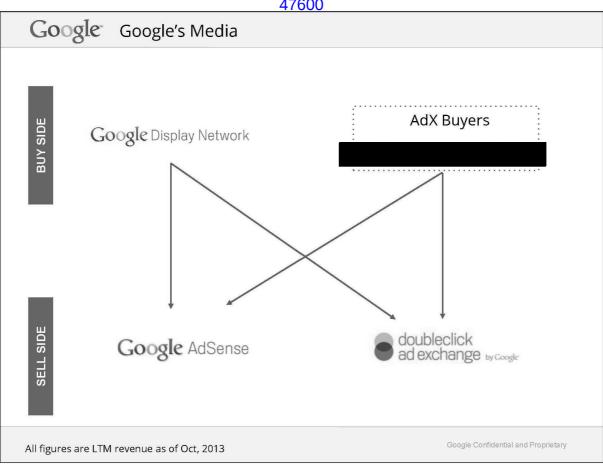
## Project Bernanke

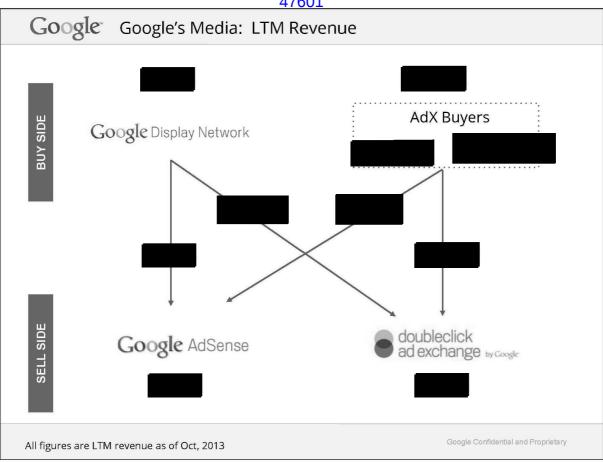
Quantitative Easing on the Ad Exchange

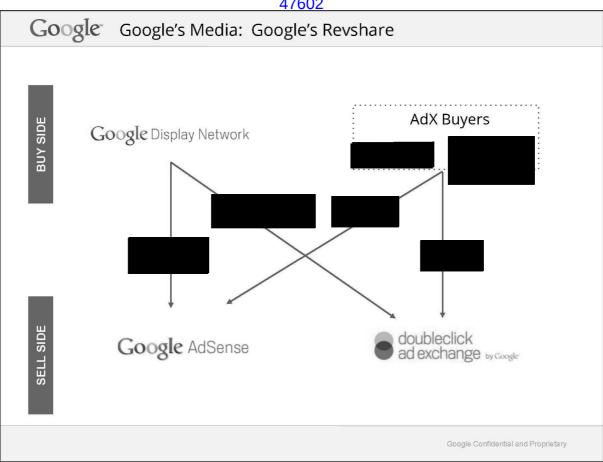
gTrade Update October, 2013

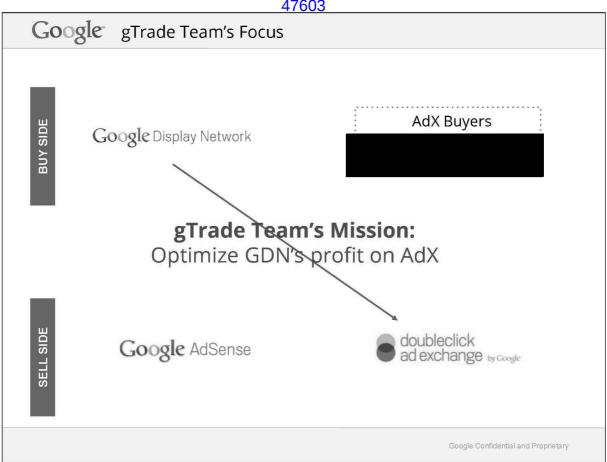


ATTORNEY CLIENT PRIVILEGED









The Opportunity

1) AdX queries are unmatched...
due to publisher min CPM

2) GDN submits two bids into AdX auction...
and second-prices itself in of its wins

3) of GDN advertisers have leftover budgets...
they want to spend more

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	Go	ogle	gTrade's 2nd Project:	Project Bernanke (Q4 2	013)
	Idea: Why stop there? Increase GDN first bid and decrease GDN second bid submitted to AdX to increase GDN profit, while maintaining GDN margin				
	<ul> <li>How we implemented:</li> <li>Developed auction simulator to determine ideal first bid increase and second bid reduction to maximize GDN profit</li> </ul>				
	•		raints: aintain GDN marg	gin per pub	
	•			ll: we only utilize GDN da Any AdX buyer can do thi	
				Google	e Confidential and Proprietary





